WHAT IS CLAIMED IS:

1	1. An electrosurgical probe, comprising:
2	a shaft having a shaft distal end portion and a shaft proximal end
3	portion;
4	an electrode support disposed on the shaft distal end portion;
5	an active electrode disposed on the electrode support; and
6	a return electrode disposed on the shaft distal end portion, wherein
7	the shaft distal end portion is adapted for being shifted between a first configuration
8	or a second configuration, wherein the first configuration is adapted for clamping
9	and coagulating a tissue, and the second configuration is adapted for releasing and
10	severing the tissue.
11	
1	2. The probe of claim 1, wherein at least one of the active
2	electrode and the return electrode is moveable.
3	
1	3. The probe of claim 1, wherein the active electrode is fixed
2	and the return electrode is pivotable.
3	
1	4. The probe of claim 3, wherein the return electrode is
2	pivotable about the return electrode proximal end.
3	
1	5 The probe of claim 1, wherein the return electrode and the

active electrode are in opposition.

6. The probe of claim 1, wherein the first configuration is a closed configuration wherein the return electrode and the active electrode are juxtaposed, and the second configuration is an open configuration wherein the return electrode and the active electrode are parted from each other.

 The probe of claim 6, wherein in the closed configuration a gap exists between the active electrode and the return electrode.

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1		8.	The probe of claim 7, wherein in the closed configuration the
2	gap between th	ne activ	re electrode and the return electrode in the range of from about
3	0.2 mm to abo	ut 10 n	nm.
1			
1		9.	The probe of claim 6, wherein in the closed configuration the
2	return electrod	e is arı	ranged substantially parallel to the active electrode.
3			
1		10.	The probe of claim 6 , wherein in the closed configuration the
2	return electrod	e is dis	sposed superjacent to the active electrode.
3			
l		11.	The probe of claim 6, wherein in the closed configuration a
2	first portion of	the ac	tive electrode is concealed by the return electrode.
3			
l		12.	The probe of claim 11, wherein in the open configuration the
2	first portion of	the ac	tive electrode is at least partially exposed.
3			
1		13.	The probe of claim 1, wherein in the open configuration the
2	return electrod	e is arı	ranged at an angle in the range of from about 30° to 120° to
3	the active elect	rode.	
1			
1		14.	The probe of claim 1, wherein the return electrode comprises
2	a cowl.		
3			
1		15.	The probe of claim 14, wherein the cowl is curved in a lateral
2	direction.		
3			
1		16.	The probe of claim 14, wherein the cowl distal end is quasi
2	dome-shaped.		
3			
1		17.	The probe of claim 14, wherein the cowl includes a notch in

the cowl distal end, the notch adapted for accommodating a portion of the active

electrode when the shaft distal end portion is in the closed configuration.

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1		18.	The probe of claim 1, wherein the return electrode comprises
2	a removeable	cowl.	
3			
1		19.	The probe of claim 1, wherein the return electrode has an
2	undulating pe	rimeter	
3			
1		20.	The probe of claim 1, wherein the active electrode is disposed
2	on the distal t	erminus	s of the electrode support.
3			
1		21.	The probe of claim 1, wherein the active electrode protrudes
2	distally and la	iterally	from the electrode support.
3			
L		22.	The probe of claim 1, wherein the active electrode protrudes
2	from the elect	rode su	pport by a distance in the range of from about 0.2 mm to about
3	10 mm.		
1			
L		23.	The probe of claim 1, wherein the active electrode consists
2	essentially of	a single	e blade having at least one active edge and first and second
3	blade sides.		
1			
L		24.	The probe of claim 1, wherein at least a portion of the active
2	electrode is se	errated.	
3			
L		25.	The probe of claim 1, wherein the active electrode is adapted
2	for severing a	target	tissue via localized molecular dissociation of target tissue
3	components.		
1			
l		26.	The probe of claim 1, wherein the active electrode comprises
2	a material sele	ected fr	om the group consisting of platinum, tungsten, palladium,
3	iridium, and t	itanium	i.

configuration.

1	27.	The probe of claim 1, wherein the shaft comprises an
2	insulating material,	and the electrode support comprises a ceramic or a silicone
3	rubber.	
4		
1	28.	The probe of claim 6, further comprising an actuator unit for
2	shifting the probe be	etween the open configuration and the closed configuration.
3		
1	29.	The probe of claim 28, wherein the actuator unit comprises a
2	clamp unit for urgin	g the shaft distal end portion towards the closed configuration.
3		
1	30.	The probe of claim 29, wherein the clamp unit is adapted for
2	exerting a force on	at least one of the return electrode and the active electrode.
3		
1	31.	The probe of claim 28, wherein the actuator unit comprises a
2	release unit for urgi	ng the shaft distal end portion towards the open configuration.
3		
1	32.	The probe of claim 28, further comprising a handle affixed to
2	the shaft proximal e	nd portion, wherein the actuator unit is disposed on the handle.
3		
1	33.	The probe of claim 32, wherein the handle accommodates a
2	connection block, th	ne connection block adapted for coupling the active electrode and
3	the return electrode	to a high frequency power supply.
4		
1	34.	The probe of claim 1, further comprising a mode switch for
2	switching the probe	between a sub-ablation mode and an ablation mode.
3		
1	35.	The probe of claim 34, wherein the mode switch is responsive
2	to a configuration of	f the shaft distal end portion.
3		
1	36.	The probe of claim 35, wherein the mode switch switches the
2	system to the sub-ab	plation mode when the shaft distal end portion is in the closed

37. The probe of claim 35, wherein the mode switch switches the
system to the ablation mode when the shaft distal end portion is in the open
configuration.
38. The probe of claim 34, wherein the mode switch is responsive
to actuation of an actuator unit, the actuator unit adapted for shifting the probe
between an open configuration and a closed configuration.
39. The probe of claim 38, wherein the mode switch switches the
probe to the sub-ablation mode when the probe is shifted to the closed configuration.
40. The probe of claim 38, wherein the mode switch switches the
system to the ablation mode when the probe is shifted to the open configuration.
41. An electrosurgical system, comprising:
a shaft having a shaft distal end portion and a shaft proximal end
portion, the shaft distal end portion capable of adopting an open configuration or a
closed configuration;
an electrode support disposed on the shaft distal end portion;
an active electrode disposed on the electrode support;
a return electrode disposed on the shaft distal end portion;
a power supply having first and second opposite poles, the active and
the return electrode coupled to the first and second opposite poles, the power supply
adapted for applying a high frequency voltage between the active electrode and the
return electrode; and
an actuator unit in communication with at least one of the active
electrode and the return electrode, the actuator unit adapted for shifting the shaft
distal end portion between the open configuration and the closed configuration.

42. The system of claim 41, wherein the return electrode is moveable with respect to the active electrode, and actuation of the actuator unit

3	moves the ret	urn elec	ctrode such that the shaft distal end portion adopts the open
4	configuration	or the	closed configuration.
5			
1		43.	The system of claim 41, further comprising a mode switch for
2	switching the	system	between a sub-ablation mode and an ablation mode.
3			
1		44.	The system of claim 43, wherein the mode switch is
2	responsive to	a shift	in configuration of the shaft distal end portion.
3			
1		45.	The system of claim 43, wherein the mode switch is
2	responsive to	actuatio	on of the actuator unit.
3			
1		46.	The system of claim 45, wherein the actuator unit comprises a
2	release unit, a	ind the	mode switch switches the system to the ablation mode when the
3	release unit is	actuate	d.
4			
1		47.	The system of claim 41, wherein the closed configuration is
2	adapted for cl	amping	and coagulating a target tissue, and the open configuration is
3	adapted for re	leasing	and ablating the target tissue.
4			
1		48.	The system of claim 41, wherein in the sub-ablation mode the
2	active electron	de is ad	apted for coagulating a target tissue.
3			
1		49.	The system of claim 43, wherein in the ablation mode the
2	active electros	de is ad	apted for ablating a target tissue via localized molecular
3	dissociation o	f target	tissue components.
4			
1		50.	An electrosurgical probe, comprising:
2		a shaft	having a shaft distal end portion and a shaft proximal end
3	portion;		
4		an elec	ctrode support affixed to the shaft distal end portion;
5		an acti	ve electrode arranged on the electrode support; and

6	a moveable return electrode opposing the active electrode, the return
7	electrode adapted for movement between a closed configuration and an open
8	configuration, wherein in the closed configuration the return electrode is juxtaposed
9	with the active electrode, and in the open configuration the return electrode is
10	withdrawn from the active electrode.
11	
1	51. The probe of claim 50, wherein the return electrode comprises
2	a removeable cowl.
3	
1	52. The probe of claim 50, further comprising an actuator unit for
2	moving the return electrode between the closed configuration and the open
3	configuration.
4	
1	53. The probe of claim 52, further comprising a mode switch in
2	communication with the actuator unit, the mode switch for switching the probe
3	between a sub-ablation mode and an ablation mode.
4	
1	54. The probe of claim 53, wherein the mode switch is responsive
2	to a configuration of the return electrode or to actuation of the actuator unit.
3	
1	55. The probe of claim 50, wherein in the closed configuration the
2	active electrode is arranged substantially parallel to the return electrode, and a first
3	portion of the active electrode is at least partially concealed by the return electrode
4	
1	56. The probe of claim 55, wherein in the open configuration the
2	active electrode is exposed.
3	
1	57. An electrosurgical probe, comprising:
2	a shaft having a shaft distal end portion and a shaft proximal end
3	portion;
4	a return electrode affixed to shaft distal end portion;
5	an electrode support affixed to the shaft distal end portion; and

a moveable active electrode mounted on the electrode support, the active electrode capable of movement between a closed configuration and an open configuration, wherein in the closed configuration the active electrode is juxtaposed with the return electrode, and in the open configuration the active electrode is withdrawn from the return electrode.

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58. The probe of claim 57, wherein the active electrode comprises a substantially flat elongate blade which protrudes axially and laterally from the shaft, and the return electrode comprises a cowl.

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- 59. A method of modifying a target tissue of a patient, comprising:
- a) providing an electrosurgical probe having a shaft distal end, the shaft distal end bearing an electrode support and a return electrode, the electrode support having an active electrode affixed thereto, at least one of the active electrode and the return electrode moveable responsive to actuation of an actuator unit such that the shaft distal end can adopt an open configuration or a closed configuration, the open configuration for accommodating at least a portion of the target tissue between the active electrode and the return electrode, and the closed configuration for clamping the target tissue between the active electrode and the return electrode;
- b) positioning the shaft distal end in at least close proximity to the target tissue; and
- c) applying a first high frequency voltage between the active electrode and the return electrode, wherein at least a portion of the target tissue is ablated or modified.

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60. The method of claim 59, wherein the ablated or modified tissue is dissected, transected, incised, contracted, or coagulated.

1	6:	1.	The method of claim 59, wherein the first high frequency
2	voltage is in the	range	of from about 10 volts RMS to about 150 volts RMS.
3			
1	62	2.	The method of claim 59, further comprising:
2	d)) after	said step b) and before said step c), clamping the target tissue
3	between the activ	ve ele	ctrode and the return electrode.
4			
1	63	3.	The method of claim 59, wherein the first high frequency
2	voltage is suffici	ient to	coagulate the target tissue and insufficient to ablate the target
3	tissue, and the m	nethod	further comprises:
4	e)) after	said step c), applying a second high frequency voltage
5	between the activ	ve ele	ctrode and the return electrode, wherein at least a portion of
6	the target tissue	is abl	ated.
7			
1	64	4.	The method of claim 63, wherein the second high frequency
2	voltage is in the	range	of from about 200 volts RMS to about 1000 volts RMS.
3			
1	65	5.	The method of claim 63, wherein neither said step c) nor said
2	step e) results in	signi	ficant damage to non-target tissue.
3			
1	66	6.	The method of claim 59, wherein the return electrode
2	comprises a rem	oveab	ele cowl.
3			
1	67	7.	The method of claim 64, wherein during said step e) the target
2	tissue is ablated	via el	ectrosurgical molecular dissociation of tissue components in
3	the vicinity of th	ne acti	ve electrode.
4			
1	68	8.	The method of claim 63, further comprising:
2	f)	durir	ng said step e), manipulating the probe such that the active
2	electrode moves	with	racpost to the terrest ticcue

1	69. A method of modifying a target tissue of a patient, the method
2	comprising:
3	a) providing an electrosurgical system including a probe and a power
4	supply, the probe adapted for clamping the target tissue, and the probe including a
5	shaft distal end bearing an electrode support and a return electrode, the electrode
6	support having an active electrode affixed thereto, the active electrode adapted for
7	coagulating the target tissue and for severing the target tissue via molecular
8	dissociation of target tissue components;
9	b) clamping the target tissue at the shaft distal end;
10	c) coagulating the target tissue by application of a first high frequency
11	voltage from the power supply to the active electrode; and
12	d) severing the target tissue by application of a second high frequency
13	voltage from the power supply to the active electrode.
14	
1	70. The method of claim 69, further comprising:
2	e) prior to said step d) unclamping the target tissue.
3	
1	71. The method of claim 69, wherein at least one of the active
2	electrode and the return electrode is adapted for moving such that the probe can
3	adopt an open configuration or a closed configuration.
4	
1	72. The method of claim 69, wherein the electrosurgical system
2	further includes an actuator unit for shifting the probe between an open
3	configuration and a closed configuration.
4	
1	73. The method of claim 72, wherein the probe includes a handle
2	and the actuator unit is arranged on the handle.
3	
1	74. The method of claim 72, wherein said step b) comprises:
2	f) configuring the probe to the open configuration;
3	g) positioning the probe such that the target tissue is positioned

between the active electrode and the return electrode; and

5	h) configuring the probe to the closed configuration, wherein the
6	target tissue is clamped between the active electrode and the return electrode.
7	
1	75. The method of claim 74, wherein at least one of said steps f)
2	and h) comprises actuating the actuator unit.
3	
1	76. The method of claim 72, wherein the return electrode is
2	moveable via actuation of the actuator unit, and the return electrode is coupled to a
3	mode switch for switching the power supply between a sub-ablation mode and an
4	ablation mode.
5	
1	77. The method of claim 72, wherein the actuator unit is directly
2	coupled to a mode switch for switching the power supply between a sub-ablation
3	mode and an ablation mode.
4	
1	78. The method of claim 69, wherein the active electrode
2	comprises a single blade electrode, the single blade electrode including at least one
3	active edge and first and second blade sides.
4	
1	79. A method of incising a target tissue with an electrosurgical
2	system including a probe and a power supply, the target tissue having at least one
3	blood vessel running therethrough, and the method comprising:
4	a) ablating the target tissue with the probe, the probe including an
5	active electrode and a return electrode coupled to the power supply, and the system
6	operating in an ablation mode;
7	b) upon encountering a blood vessel, clamping the blood vessel
8	between the active electrode and the return electrode;
9	c) switching the system to a sub-ablation mode adapted for
10	coagulating the blood vessel;
11	d) coagulating the clamped blood vessel; and
12	e) switching the system to the ablation mode, wherein the coagulated
13	blood vessel is severed.

14			
1	8	0.	The method of claim 79, further comprising:
2	f) prior	to said step e), configuring the probe to an open configuration
3	wherein the coa	gulate	d blood vessel is unclamped.
4			
1	8	31.	The method of claim 79, wherein
2	s	aid ste	ep c) comprises applying a first high frequency voltage between
3	the active electr	ode a	nd the return electrode, the first high frequency voltage
4	sufficient to coa	agulate	e the blood vessel.
5			
1	8	32.	The method of claim 79, wherein
2	s	said st	ep e) comprises applying a second high frequency voltage
3	between the act	ive ele	ectrode and the return electrode, the second high frequency
4	voltage sufficie	nt to a	ablate the coagulated blood vessel.
5			
1	8	33.	The method of claim 82, wherein the second high frequency
2	voltage applied	betwe	een the active electrode and the return electrode results in
3	localized molec	cular d	dissociation of tissue components of the coagulated blood
4	vessel.		
5			
1	;	84.	The method of claim 79, wherein said step b) comprises:
2	:	g) con	figuring the probe to an open configuration;
3		h) pos	itioning the probe distal end against the blood vessel; and
4		i) con	figuring the probe to a closed configuration, wherein the blood
5	vessel is clamp	ed be	tween the active electrode and the return electrode.
6			
1		85.	The method of claim 79, further comprising:
2		j) afte	r said step e), manipulating the probe with respect to the
3	coagulated blo	od ves	ssel.
4			
1		86.	A method of severing a blood vessel with an electrosurgical
2	system includi	ng a p	robe and a power supply, the method comprising:

a) positioning the blood vessel between an active electrode and a
return electrode;
b) clamping the blood vessel between the active electrode and the
return electrode;
c) applying a first high frequency voltage between the active electrode
and the return electrode, wherein the blood vessel is coagulated;
d) unclamping the coagulated blood vessel; and
e) applying a second high frequency voltage between the active
electrode and the return electrode, wherein the coagulated blood vessel is severed.

- 87. The method of claim 86, wherein at least one of the active electrode and the return electrode is moveable.
- $88. \qquad \text{The method of claim 86, wherein the return electrode } \\ \text{comprises a removeable cowl.}$
- 89. The method of claim 86, wherein the electrosurgical system further includes an actuator unit for shifting the probe between an open configuration and a closed configuration, and a mode switch responsive to actuation of the actuator unit, the mode switch coupled to the power supply, and the mode switch adapted for switching the electrosurgical system between a sub-ablation mode and an ablation mode upon actuation of the actuator unit.
- 90. The method of claim 86, wherein the return electrode is moveable, the electrosurgical system further including a mode switch in communication with the return electrode, the mode switch coupled to the power supply, the mode switch adapted for switching the electrosurgical system between a sub-ablation mode and an ablation mode, and the mode switch responsive to a position of the return electrode.